The

7925 --- 7980

NOTE BOOK

Made Under One or More of

Property of Arthur Cronquist
New York Botanical Garden
Bronx Park
New York 58, N. Y.

Please return

U. 560

7925 - July 14, 1955
In moist coniferous woods
in the Swan River Valley
west of Holland Lake, about
75 miles northeast of
Missoula, Missoula Co., Mont.
Twp. 20 N., R. 16 W., S. 34.
Elev. about 4000 feet.
Flowers white

Pedicularis racemosa Dougl.
var. alba (Rydb.) Cronq.

2332 Pedicularis racemosa (12)

7926- July 15, 1955

Stony open ridges and edges of lodgepole pine forest just west of Elbow Lookout, near Lindbergh Lake, Missoula Co., Mont. Twp. 19N., R. 17W., S. 22. Elev. 4600 feet. Plants with a taproot and slenderly branched (often subrhizomatous) caudex. Flowers white. Arenaria capillaris Poir. ssp. americana Maguire Variant with long, unarmed leaves, large flowers, and pubescent ovary. (Pubescence lacking in type of ssp. americana) det Bassett Maguire

Arenaria (10)

7927 - July 15, 1955

Open, stony ridges in lodgepole pine area just west of Elbow Lookout, near Lindbergh Lake, Missoula Co., Mont. T. 19 N., R. 17 W. S. 22. Elev. 4600 feet. Plants in small tufts, without rhizomes.

Danthonia intermedia Vasey

Danthonia (24)

7928 - July 15, 1955.
Same place as 7927.
Plants started, without
rhizomes. Foliage bluish.

Festuca ovina L.

Festuca ovina (11)

7929 - July 15, 1955

Same place as 7927. Plants with a branched, woody caudex and short taproot. Perianth yellow.

Eriogonum piperi Greene

Eriogonum (piperi?) (28)

7930 - July 15, 1935
Same place as 7927
Roots somewhat thickened
but lacking a differentiated
tuberous portion

Lomatium sandbergii C. & R.

2440 Lomatium (20)

7931. July 17, 1955
Moist woods on hillside
south of Jim Creek;
~~detail~~ Mission Mts.,
west of Condon,
Missoula Co., Mont.
T. 19 N., R. 18 W., S. 13.
Elev. about 5500-6000
feet. Flowers white or
pale purple

Tiarella unifoliata Hutt.

Tiarella

7932 — July 17, 1955
Same place as 7931 ✓
Flowers pale greenish-
yellow.

Streptopus amplexifolius
(L.) DC.
✓

West slope of mountain overlooking Holland Lake, below Holland Lookout; Swan Range, about 80 miles northeast of Missoula, Missoula Co., Mont. Twp. 20 N, R. 15 W, S. 30. Elev. about 7000 feet. Plants frequent, but mostly not yet in bloom. Rays about 13, sunflower yellow, about an inch long.

Senecio megacephalus Nutt.

TT:1 - July 18, 1935
In partial shade on west
slope of mountain over-
looking Holland Lake, below
Holland Lookout; Swan
Range, about 80 miles
Northeast of Missoula,
Missoula Co. Mont.
Twp. 20 N, R. 15 W., S. 30.
Elev. about 7500 feet.
Flowers yellow, the 3
lower petals penciled
with blackish purple
within, the two upper petals
slightly coppery or purplish
on the back.
Viola nuttallii Pursh
var. major Hook.

7735 July 18, 1935
Sloping semi-arable
just north of Holland Lookout,
above Holland Lake; Swan Range,
about 80 miles northeast
of Missoula, Missoula Co.,
Mont. Twp. 20 N., R. 15 W.,
S. 30. Elev. 6000 feet.
Flowers bright violet
purple.

Veronica cusickii Gray

Veronica cusickii

7936 – July 18, 1955

Rocky hill at Holland Lookout, overlooking Holland Lake; Swan Range, about 50 miles northeast of Missoula, Missoula Co., Mont.

Twp. 20 N., R. 15 W., S. 30.

Elev. 8100 feet. Stems solitary or sometimes few together. Rays reddish

Erigeron simplex Greene

(11)

L. simplex Greene

1937 - July 18, 1935
Same place as 1936.
Flowers yellow

Draba oligosperma Hook.

confirmed by C.L. Hitchcock, 1955

(4) Draba

7156 - July 18, 1955

Rock crevices at Holland Lookout - altitude as 7937. Flowers yellow

Draba incerta Pays.

Confirmed by C. L. Hitchcock, 1955

37 - July 18, 1955
Loose, lime-shale talus just east of Holland Lake, northeast of Holland Lake, Swan Range, about 80 mile northeast of Missoula, Missoula Co., Mont.
Twp. 20 N., R. 15 W., S. 30.
Elev. 8100 feet. Plants rhizomatous, without a taproot. Flowers white.

Cardamine nupicola (Schulz)
Hitchc. ined

7940 - July 18, 1956
Dry admixture at
Holland Lookout, above
Holland Lake; Swan
Range, about 80 miles
northeast of Missoula,
Missoula Co., Mont. - Twp. 20N,
R 15W., S. 30. Elev. 8100
feet. Stems mostly soli-
tary, sometimes in together

Lovelia sherbiniana Lace.

✓

Lovelia sherbiniana (4)

1941 July 15
open
Rocky soil at Holland Lookout, above Holland Lake; Swan Range, about 80 miles northeast of Missoula, Missoula Co, Mont. Twp. 20 N, R 15 W. 5.30. Elev. 5,150 feet. Plants tufted without rhizomes. Very little sun.

Iresia hepburnii Boott

79c(2 July 18, 1955
open.
Rocky soil at Holland
Lookout, above Holland
Lake; Swan Range, about
50 miles northeast of
Missoula, Missoula Co., Mont.
T. 20 N., R. 15 W., S. 30.
Elev. 8100 feet.

Potentilla diversifolia Lehm.

/

Potentilla (1)

7 Oct 3 – July 18, 1957
Same place as 1942. Rather scarce, and mostly not yet flowering.

Haplopappus Lyallii Gray

Haplopappus Lyallii (T.

7744 - July 18, 1955
Loose, open, lime-shale slope just northeast of Holland Lookout, above Holland Lake; Swan Range about 80 miles northeast of Missoula, Missoula Co., Mont. T. 19 N., R. 15 W., S. 30. Elev. about 6000 feet. Bracts bright red.

Castilleja rhexifolia Rydb.
Dupl. det. Marion Ownbey

Castilleja (1)

7945 - July 18, 1955
Stony soil at Holland
Pass, just east of Holland
Lookout; Swan Range, about
50 miles northeast of
Missoula, Missoula Co.,
Mont. T 14 N., R 15 W.,
S. 30. Elev. about 7500
feet.

Anemone globosa Nutt.

- July 18, 1955

Rocky places at Holland Lookout, above Holland Lake; Swan Range, about 50 miles northeast of Missoula, Missoula Co, Mont. Twp. 20 N, R 15 W, § 30. Elev 8100 feet. ~~Fl~~ F Lavers blue.

Phacelia sericea (Grah.) Gray
var. sericea

Phacelia sericea (1)

7967 - July 18, 1955
Rock crevices and rocky
soil (lime-shale) east
of Holland Lookout,
Swan Range, about 80
miles northeast of Missoula,
Missoula Co., Mont. Twp.
20 N., R. 15 W., S. 30. Elev.
about 7500 feet. Perennial
with a taproot and branched
caudex. Flowers white.

Erigeron calycina
(Steph.) C.L. Hitch.
var. americana (Regel & Herder)
Dorn & Rollins

Erigeron 8

7 9 1 6 - July, 18, 1955
Wyeast, [illegible] small Cabs between
Upper Holland Lake
and Holland Lookout;
Swan Range, about 80
miles northeast of Missoula,
Missoula Co., Mont. Twp.
20 N., R 15 W., S. 29 Elev.
about 7000-7500 feet.
Fluorescent.

Trollius laxus Salisb.

Trollius? (2)

7949 - July 18, 1955

Open, stony (lime-shale) slopes southeast of Holland Lookout, about Holland Lake; Swan Range, about 80 miles northeast of Missoula, Missoula Co. Mont.

Twp. 20 N., R. 15 W., S. 30.

Elev. about ~~7~~ 7500 feet.

Anemone occidentalis Wats.

7950 — July 18, 1955
= Pedicularis lanceolata Michx. ex Gmel. 3:248. 1792
= Lanceleaf lousewort
Host - Ericaceae

Pedicularis bracteosa Benth.
var. canbyi (Gray) Cronq.

(9)
Pedicularis bracteosa

7951 - July 18, 1955
Semi-open, rocky slopes between Holland Lookout and Upper Holland Lake; Swan Range, about 80 miles northeast of Missoula, Missoula Co., Mont. Twp. 20 N., R. 15 W., S. 29. Elev. about 7000 feet. Plants tufted, without rhizomes.

Poa gracillima Vasey
det. D. D. Keck

T. 2 - July 18, 1957
Low shrubs on open slopes
& meadows near small lake
between Holland Lake
& main Range, about 80
miles northeast of
Missoula, Missoula Co.,
Mont. T. 22 N.,
R 15 W., S. 29. Elev.
about 7000-7500 feet.
Flowers bright red-purple.

Phyllodoce empetriformis
(Smith) D. Don

Phyllodoce (7)

7953 – July 18, 1935
open, rocky slopes overlooking Upper Holland Lake; Swan Range, about 50 miles northeast of Missoula Missoula Co., Mont. Twp. 20 N., R. 15 W., S. 29. Elev. about 7000 feet. Growing with A. alpina var. media, and much resembling it.

Antennaria Chlorantha Greene

7954 - July 18, 1955.
Rocky places. Trail
along Upper Holland
Lake; Swan Range, about
80 miles northeast of
Missoula, Missoula Co.,
Mont. Twp. 20 N., R. 15 W.,
S. 29. Elev. about 6500-7000
feet.

Antennaria alpina (L.)
Greene,
var. media (Greene) Jepson.

(5.1)

Antennaria alpina var. media

7955 - July 18, 1955
Moist, coniferous woods along Holland Creek, above Holland Lake; Swan Range, about 80 miles northeast of Missoula, Missoula Co., Mont. T. 19 N., R. 15 W., S. 31. Elev. about 5500 feet. Flowers green.

Habenaria unalascensis
(Spreng.) Wats.

(8)

7956 – July 18, 1934
Mossy places in moist,
coniferous woods along
Holland Creek, above
Holland Lake; Swan
Range, about 80 miles
northeast of Missoula,
Missoula Co., Mont.
Twp. 20 N., R. 15 W., S. 31.
Elev. about 5500 feet.
Flowers white.

Pyrola uniflora L.

Pyrola uniflora (1)

1957 July B. C.

Semi-open places along tributary to Holland Creek, about Holland Lake; Swan Range, about 80 miles northeast of Missoula, Missoula Co., Mont., T. 22 N., R. 15 W., S. 31. Elev. about 5500-6000 feet. Flowers blue.

Hackelia jessicae (McGregor) Brand

(Hackelia 3)

1958 [illegible]
Latter part of June
on rocky ridges along Wyoming Trail
just above Red Lodge. 13
miles southwest of
Red Lodge, Carbon Co.,
Mont. Twp. 5 S., R. 19 E., S. 7.
Elev. 7200 feet. Inflores-
cence more or less nodding,
especially when young
flowers white, sometimes
ally tinted with purple.

*Allium cernuum*
Roth

V

Allium (35)

1957 July 22, 1957 – June
1958. Litter
mumerous from A. Stout
Bx 1957 and transmitted
Candid. Plants
pleasantly arranged

Pteryxia Rendersonii (C. & R.)
Nutt. ex Coult.

7 [illegible] July 30 '65
Shrub mostly 3-5 ft.
high in open ground
in valley of Ladyfield mine
on [illegible] along
Rock Creek just below
Wyoming Creek, 13 mile
[illegible] southeast of
Kokomo, Summit Co., Wyo-
ming. T. 5 S., R. 79 W., Sec.
32 on left. Flowers yellow

*Potentilla fruticosa L.*

July 22, 1955
Rotherday, open old
mountains along Wyoming
Creek just above Rock
Creek, 13 miles northwest
of Red Lodge, Carbon Co.,
Mont. Twp. 9S., R. 19E., S 7
Elev. 7200 feet.

Carex obtusata Lilj.

[illegible] - July 22, 1955
[illegible]

*Astragalus aboriginum*
Richards.

July 22, 1931

Fairly moist ✓
Moraine slope under
lodgepole pine along Wyoming
Creek just above Rock
Creek. 13 miles southwest
of Red Lodge, Carbon Co.,
Mont. T. 7 S., R. 19 E.,
S. 7 Elev. 7300 feet.

Heuchera flabelliformis Rydb.

July 22, 1954

Roadside, open, dry
[illegible]
Wyoming Creek and Stone
Rock Creek, 13 miles
southwest of Red Lodge,
Carbon Co., Mont. T. 7 S.,
R. 19 E., S. 7, Elev. 5300
feet, Timber-line,
Alpine, dry meadow.

Oxytropis besseyi (Rydb.)
Blank.
var. besseyi

- July 22, 1953

Moraine slope, in partial shade of lodgepole pine, along Wyoming Creek, just above Rock Creek [illegible] of Red Lodge, Mont. T 9 S, R 19 E, S 9, Elev. 7300 feet. Flowers greenish white to yellowish.

Heuchera saxicola E. Nels.

July 22, 1955

Among scattered Lodge-
pole pine on mountain slope
near Wyoming Creek,
just above Rock Creek,
13 miles southwest of
Red Lodge, Carbon Co,
Mont. Twp. 9 S. R. 19 E.,
S. 7. Elev. 7,300 feet.
Erects light brown,
[illegible] root-mat.

Antennaria rosea Greene.

Antennaria rosea

1967. July 22, 1955
Rocky, gravelly soil along highway at Wyoming creek, 13 miles southwest of Red Lodge, Carbon Co., Mont. T. 7 sth. R. 19 E., S. 7. Elev. 7350 feet.
Stems decumbent, with ascendent tips. Flowers white.

Hedysarum sulphurescens
Rydb.

7966 - July 23, 1955

Open, partially shady
[illegible] slopes in the
valley of the Stillwater
River - Canadian Life Zone,
Stillwater Co., Mont.
Twp. 5 S. R. 15 E., about
S. 15. Elev. about 5500
feet. Plants creeping,
matforming, or sometimes
irregularly ascending,
blue-glaucous or bright
green. No other juniper seen nearby.
Juniperus horizontalis Moench.

2 (?)

creeping Juniper (4)

7900' July 24, 1945
Gentle open granitic slopes below timberline in Beartooth Mts., overlooking Wyoming Creek, from the west 25 miles southwest of Red Lodge, Carbon Co., Mont., immediately adjacent to the Wyoming border. Twp. 9 S., R. 19 E., S. 29/32. Elev. 10,400 feet. Limestone.

Arenaria obtusiloba (Rydb.) Fern.

Det. Bassett Maguire

fl.

[illegible] 5969.
[illegible]

Penstemon procerus Dougl.
ex R. Grah.
det. D. D. Keck

[illegible] (35)

7871 July 24, 1955
Same place as 7969.
Raya blue. lavender

Erigeron uyphergii
Crong.

(35) erigeron uyphergii

7972 July 24, 1955

Lupinus polycarpus Torr. & Gray, Pacific R. R. Rep. 2: 196. 1855.

Usually perennial, the leaves with a central white spot.

Lupinus argenteus Pursh var. depressus (Rydb.) C. L. Hitchc.

Lupine

Same p. Caucas. 1969.
Spikes black.

Carex podocarpa R. Br.

7914 7977 July
25, 1955 - Gentle,
open, north slope
of Beartooth Mts.,
about 24 miles ~~north~~
southwest of Red Lodge,
Carbon Co., Mont.
Twp. 9S, R. 19E, S. 20,
Elev.: 10,200 feet.
Granitic soil, above
timberline. Stems solitary
or few-(2 or 3) together.
Flowers dull red-purple.

Pedicularis cystopteridifolia
Rydb.

(55) Pedicularis cystopteris

7975- July 25, 1955

Gentle granitic slopes at summit of Beartooth Mts, about 18 miles southwest of Red Lodge, Park Co., Wyoming

T 7 S., R. 10 W., S. 28.

Elev. 10,900 feet. Plants with a much branched, stout but low caudex, the clone tending to enlarge around the periphery. Flowers yellow

Geum rossii (R. Br.) Ser.

[illegible] - July 25, 19[illegible]
Open granitic flats and gentle slopes at summit of Beartooth Mts., about 28 miles Southwest of Red Lodge, Park Co., Wyo. Twp. 5 S N., R. 104 W., S. 28. Elev. 10,900 feet. Flowers light yellow. Stems mostly solitary.

Pedicularis oederi Vahl

(6)

7977 - July 25, 1955.

In thin soil in the less exposed places among granite boulders at summit of Beartooth Mts., about 28 miles southwest of Red Lodge, Park Co., Wyo. Twp. 58 N., R. 104 W., S. 28. Elev. 10,900 feet. Flowers white.

Androsace septentrionalis L. var. subumbellata A. Nels.

Anpistrace 35)

1976 - June 15, 1957

Open, granitic flats and gentle slopes at summit of Beartooth Mts., about 28 miles southwest of Red Lodge, Park Co., Mont. Twp. 5 S N. R. 10 4 W., S. 28. Elev. 10,900 feet. Flowers white or slightly blush.

Phlox pulvinata (Wherry) Cronq.

Phlox (4)

7979 – July 25, 1958
Same as 7978.
Flowers off-pink,
the fornices nearly white.

Silene acaulis L.
ssp. subacaulescens (F. N. Williams)
Hitchc. & Maguire,
det. Bassett Maguire

Silene acaulis (3)

7980 – July 25, 1955
Same place as 7978.
Plants forming a compact,
dense mat, taproated
with a branching caud-
ex, and probably
also spreading below-ground.
Flowers pinkish

Trifolium nanum Torr.

dwarf clover (8) T. nanum 3082